

S26 4	208	(((((current or voltage) near2 (spike or transient or surge)) with ((power near2 (supply or supplies)) or battery)) same ((voltage near2 capacitor) or charge)) and motor	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/10 01:23
S26 5	52	(((((current or voltage) near2 (spike or transient or surge)) with ((power near2 (supply or supplies)) or battery)) same ((voltage near2 capacitor) or charge)) and motor) and ("318"/\$.ccls. or "388"/\$.ccls. or "700"/\$.ccls. or "361"/\$.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/10 01:24
S26 6	25	("5574608" "4804901" "4410845")	US-PGPUB; USPAT	OR	ON	2004/12/22 13:10
S26 7	3	("5574608" "4804901" "4410845"). pn.	US-PGPUB; USPAT	OR	ON	2004/12/22 13:13
S26 8	1654556	(charge or charged or charging)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 13:14
S26 9	156220	voltage near3 (capacitor or capacitance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 13:14
S27 0	4	("6577088" "6710567").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 13:15
S27 1	2	("6577088" "6710567").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2004/12/22 13:22
S27 2	16604	700/1-89.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2004/12/22 13:23
S27 3	1442	S272 and S268	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2004/12/22 13:23
S27 4	6281	S272 and (spindle or disk or disc or recording or storage)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2004/12/22 13:24
S27 5	906	S268 and S274	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2004/12/22 13:27

S27 6	21079	S268 same (spike or spiking or transient)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2004/12/22 13:27
S27 7	23	S274 and S276	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2004/12/22 14:39
S27 8	132013	(current or sense or sensing) near3 (resistor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 14:45
S27 9	51929	S278 same (S268 or capacitance or capacitor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 14:45
S28 0	118	S279 and S272	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 14:44
S28 1	102394	"318"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 14:44
S28 2	2668	S279 and S281	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 14:45
S28 3	89558	(current or sense or sensing) near2 (resistor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 14:45
S28 4	33856	S283 same (S268 or capacitance or capacitor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 14:45
S28 5	1818	S284 and S281	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 14:45

S28 6	1687	S285 and motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 14:45
S28 7	6427489	(limit or level or threshold or value)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 14:50
S28 8	255557	(S268 or S269) with S287	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 14:53
S28 9	151454	(S268 or S269) near5 S287	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 14:53
S29 0	6427489	(limit or level or threshold or value)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 17:37
S29 1	1654556	(charge or charged or charging)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 17:37
S29 2	156220	voltage near3 (capacitor or capacitance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 17:42
S29 3	133767	(S291 or S292) near4 S290	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 17:43
S29 4	16604	700/1-89.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2004/12/22 17:42
S29 5	102394	"318"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2004/12/22 17:42
S29 6	9126	"388"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2004/12/22 17:42

S29 7	115214	voltage near2 (capacitor or capacitance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 17:42
S29 8	94122	S291 near3 S290	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 17:44
S29 9	27096	S292 near3 S290	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 17:44
S30 0	101840	S291 near5 (battery or batteries)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 17:46
S30 1	79888	S298 not S300	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 17:46
S30 2	25282	S299 not S300	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 17:46
S30 3	224	S301 and S296	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 18:00
S30 4	1262	S301 and S295	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 17:46
S30 5	260589	(spike or spiking or spiked or transient)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 18:01
S30 6	2740	(S298 or S299) same S305	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 18:01

S30 7	160	S306 and (S294 or S295 or S296)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 18:03
S30 8	135686	"361"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 18:02
S30 9	490	S306 and (S294 or S295 or S296 or S308)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 18:02
S31 0	6122	S305 near4 ((power or voltage or current) near2 (supply or source))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 18:05
S31 1	1149	S310 and (S293)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 18:05
S31 2	55	S311 and (S294 or S295 or S296)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 18:39
S31 3	203	S311 and (S294 or S295 or S296 or S308)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 18:05
S31 4	1	"5191269".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2004/12/22 18:39
S31 5	10	("3699989"   "4262236"   "4319173"   "4472666"   "4499412"   "4540926"   "4843288"   "4988939"   "5191269"   "5221881").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/22 18:40
S31 6	0	("6297603").URPN.	USPAT	OR	OFF	2004/12/22 18:40
S31 7	89558	(current or sense or sensing) near2 (resistor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 19:17

S31 8	3420	S293 same S317	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 19:17
S31 9	192	S318 and S295	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 19:18
S32 0	39	S318 and S296	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 19:18
S32 1	429	S318 and S308	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 19:18
S32 2	117	S321 and motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/22 19:18
S32 3	53	(US-20020079856-\$ or US-20030175017-\$ or US-20030226987-\$).did. or (US-3569807-\$ or US-3577195-\$ or US-3972535-\$ or US-4401933-\$ or US-4410845-\$ or US-4431955-\$ or US-4490656-\$ or US-4514667-\$ or US-4547715-\$ or US-4628443-\$ or US-4673851-\$ or US-4804901-\$ or US-5017854-\$ or US-5034674-\$ or US-5179494-\$ or US-5191269-\$ or US-5245496-\$ or US-5293152-\$ or US-5307439-\$ or US-5339489-\$ or US-5361175-\$ or US-5574608-\$ or US-5594603-\$ or US-5621296-\$ or US-5650705-\$ or US-5684662-\$). did. or (US-5719732-\$ or US-5767639-\$ or US-5821727-\$ or US-5949121-\$ or US-5952817-\$ or US-5990814-\$ or US-6008619-\$ or US-6011375-\$ or US-6011902-\$ or US-6013990-\$ or US-6049143-\$ or US-6150789-\$ or US-6160368-\$ or US-6166503-\$ or US-6252752-\$ or US-6285149-\$ or US-6297603-\$ or US-6366077-\$ or US-6384554-\$ or US-6407523-\$ or US-6462496-\$ or US-6479958-\$ or US-6731082-\$). did. or (JP-01117673-\$).did.	US-PGPUB; USPAT; JPO	OR	OFF	2005/01/05 13:35

S32 4	516	361/23.ccls.	US-PGPUB; USPAT; DERWENT	OR	ON	2005/01/11 12:55
S32 5	1235855	(capacitance or charge or charging or charged or (voltage near capacitor))	US-PGPUB; USPAT; DERWENT	OR	ON	2005/01/11 12:56
S32 6	128	S324 and S325	US-PGPUB; USPAT; DERWENT	OR	ON	2005/01/11 13:02
S32 7	663	361/91.1,110.ccls.	US-PGPUB; USPAT; DERWENT	OR	ON	2005/01/11 13:02
S32 8	321	S325 and S327	US-PGPUB; USPAT; DERWENT	OR	ON	2005/01/11 13:03
S32 9	320	S328 not S326	US-PGPUB; USPAT; DERWENT	OR	ON	2005/01/11 13:34
S33 0	1250	361/91,92,93,94,95,96.ccls.	US-PGPUB; USPAT; DERWENT	OR	ON	2005/01/11 13:35
S33 1	1	("4717985").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/11 15:02
S33 2	1	("5854731").URPN.	USPAT	OR	OFF	2005/01/11 15:04
S33 3	1257	thermal near2 (interrupt or (circuit adj breaker))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 15:56
S33 4	13	S333 and (spindle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 15:57
S33 5	271	388/934.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 15:57
S33 6	4	S335 and spindle	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 15:58
S33 7	130295	(current near2 (sensor or sensing or detector or detecting))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 15:58
S33 8	26985	S337 with (power or bus)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 15:58

S33 9	318	S338 and spindle	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 15:59
S34 0	15245	S337 same (temperature or thermal or heat)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 16:12
S34 1	225	S340 and spindle	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 15:59
S34 2	197	S341 and motor	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 16:00
S34 3	33	S335 and ((interrupted or interrupt or decouple or disable or decoupling or decoupled or disabled or disabling or remove or removing or removed) near3 (power or current or voltage))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 16:12
S34 4	7145	"388"/\$.ccls. or S324	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 16:04
S34 5	578	S344 and ((interrupted or interrupt or decouple or disable or decoupling or decoupled or disabled or disabling or remove or removing or removed) near3 (power or current or voltage))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 16:04
S34 6	246	S345 and (temperature or thermal or heat)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 16:04
S34 7	815	S338 same ((interrupted or interrupt or decouple or disable or decoupling or decoupled or disabled or disabling or remove or removing or removed) near3 (power or current or voltage))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 16:07
S34 8	14	S347 and S344	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 16:10
S34 9	1215	318/139.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 16:10



S35 0	329	S337 and S349	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 16:11
S35 1	50	S340 and S350	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 16:11
S35 2	11	S351 and ((interrupted or interrupt or decouple or disable or decoupling or decoupled or disabled or disabling or remove or removing or removed) near3 (power or current or voltage))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 16:11
S35 3	5203297	(temperature or thermal or heat)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 16:12
S35 4	136662	((interrupted or interrupt or decouple or disable or decoupling or decoupled or disabled or disabling or remove or removing or removed) near3 (power or current or voltage))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 16:17
S35 5	7602	S353 with S354	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 16:13
S35 6	823	S337 and S355	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 16:13
S35 7	212	S356 and ("318"/\$.ccls. or "388"/\$. ccls. or "361"/\$.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 16:14
S35 8	0	(inductive adj load) near examples	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 16:14
S35 9	0	(inductive adj load) near example	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 16:15
S36 0	7610	(inductive adj load)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 16:15

S36 1	782	S360 and "361"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 16:15
S36 2	960	S360 near4 motor	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 16:15
S36 3	121	S362 and "361"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 16:16
S36 4	44	S363 and S354	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 16:17
S36 5	167774	((interrupted or interrupt or decouple or disable or decoupling or decoupled or disabled or disabling or remove or removing or removed or disconnect or disconnected or disconnecting) near3 (power or current or voltage))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/11 16:17
S36 6	61	S363 and S365	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/12 12:35
S36 7	2	"5959817".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/12 12:35
S36 8	2	("4717985"   "5666066").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/12 12:47
S36 9	0	("5959817").URPN.	USPAT	OR	OFF	2005/01/12 12:47
S37 0	5	("4432031"   "4445080"   "4451897"   "4525763"   "4670698").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/12 12:49
S37 1	2	("5666066").URPN.	USPAT	OR	OFF	2005/01/12 13:26
S37 2	562	(switched adj capacitor) near2 integrator	US-PGPUB; USPAT; DERWENT	OR	ON	2005/01/12 13:27
S37 3	11	S372 and ("318"/\$.ccls. or "361"/\$. ccls.)	US-PGPUB; USPAT; DERWENT	OR	ON	2005/01/12 13:28

S37 4	11	S372 and ("318"/\$.ccls. or "361"/\$. ccls. or "388"/\$.ccls.)	US-PGPUB; USPAT; DERWENT	OR	ON	2005/01/12 13:28
S37 5	2	("6373650"   "6417639").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/12 13:34
S37 6	1	("6667843").URPN.	USPAT	OR	OFF	2005/01/12 13:34
S37 7	5	("5353174"   "5821717"   "5838515"   "6084378"   "6229373").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/12 13:46
S37 8	2	("6417639").URPN.	USPAT	OR	OFF	2005/01/14 18:06
S37 9	8	one-shot adj comparator	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/14 18:07
S38 0	360	one-shot near2 comparator	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/14 18:09
S38 1	19	S380 and ("318"/\$.ccls. or "388"/\$. ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/14 18:12
S38 2	499	((one-shot) or (one adj shot)) near2 comparator	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/14 18:10
S38 3	30	S382 with (integrator or integration)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/14 18:10
S38 4	2	S383 and motor	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/14 18:10
S38 5	77404	"318"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/14 18:10
S38 6	30	S382 and ("318"/\$.ccls. or "388"/\$. ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/14 18:12

S38 7	128	( "0030678"   "2808566"   "2832642"   "2898420"   "3471784"   "3538241"   "3588611"   "3600502"   "3622872"   "3684955"   "3746930"   "3775675"   "3812337"   "3858130"   "3869665"   "3878460"   "3911323"   "3914667"   "3932790"   "3939410"   "4052751"   "4074193"   "4081852"   "4087744"   "4156846"   "4169260"   "4214210"   "4245187"   "4251846"   "4264856"   "4316187"   "4354154"   "4356443"   "4387336"   "4459576"   "4466071"   "4639817"   "4642733"   "4644439"   "4652867"   "4658322"   "4697218"   "4707759"   "4771355"   "4810954"   "4833564"   "4835648"   "4845580"   "4853818"   "4858054"   "4866560"   "4882682"   "4893102"   "4901183"   "4922368"   "4931894"   "4939495"   "4949214"   "4969063"   "5010438"   "5047724"   "5051731"   "5121282"   "5166861"   "5168261"   "5179491"   "5185684"   "5185685"   "5185686"   "5185687"   "5206596"   "5208542"   "5223795"   "5224006"   "5257157"   "5280404"   "5286933"   "5307230"   "5334939"   "5353014"   "5359293"   "5363269"   "5383084"   "5388021"   "5396179"   "5412526"   "5414590"   "5420740"   "5424894"   "5434509"   "5444424"   "5446431"   "5448443"   "5452223"   "5459630"   "5477150"   "5481235"   "5483211"   "5485093"   "5493278"   "5506789"   "5510946"   "5512832"   "5519561"   "5531617"   "5546266"   "5561605"   "5568371"   "5578931"   "5590012"   "5602709"   "5608328"   "5657244"   "5659453"   "5682101"   "5691869"   "5701110"   "5706154"   "5729145"   "H000536"   "H000538").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/17 16:03
S38 8	25	("5839092").URPN.	USPAT	OR	OFF	2005/01/17 16:03